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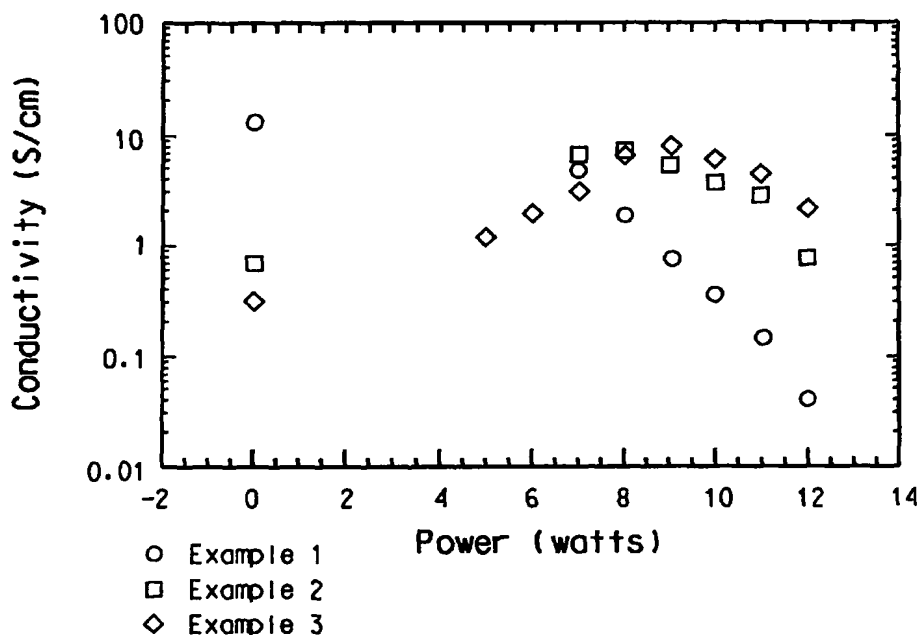
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(54) Title: PRINTING OF ORGANIC CONDUCTIVE POLYMERS CONTAINING ADDITIVES



(57) Abstract: Additives to organic conducting polymers are described which enhance adhesion and resolution of printed films while retaining adequate electrical conductivity. The conductive polymer films are useful in printing conductive portions of thin film transistors such as sources and drains. Additives include surfactants, second macromolecules, plasticizers, and excess sulfonic acids.

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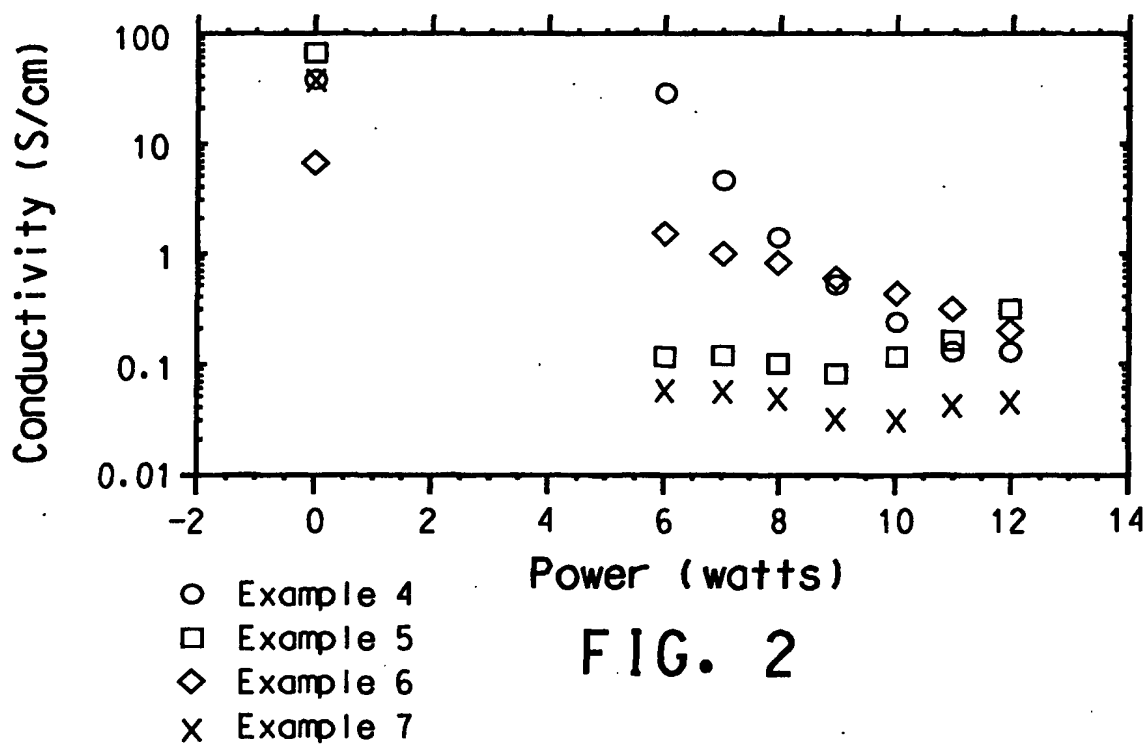
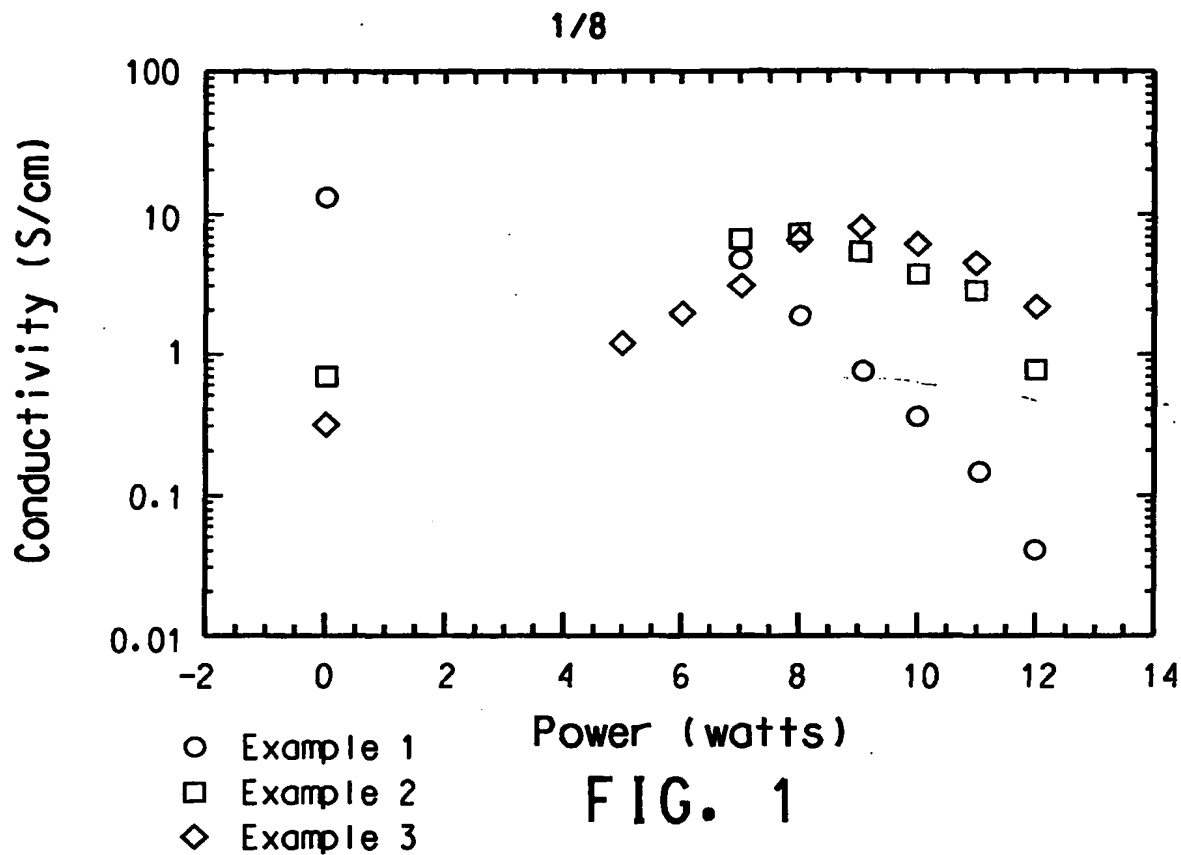
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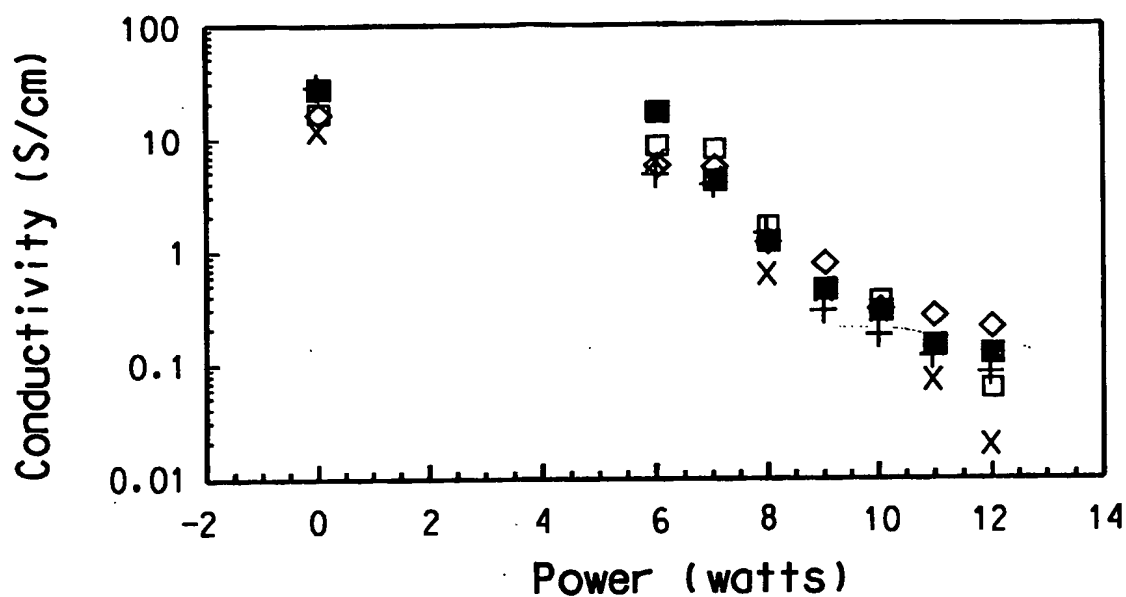


FIG. 3

■ L5000 (Control)  
 □ Example 8  
 ◇ Example 9

× Example 10  
 + Example 11

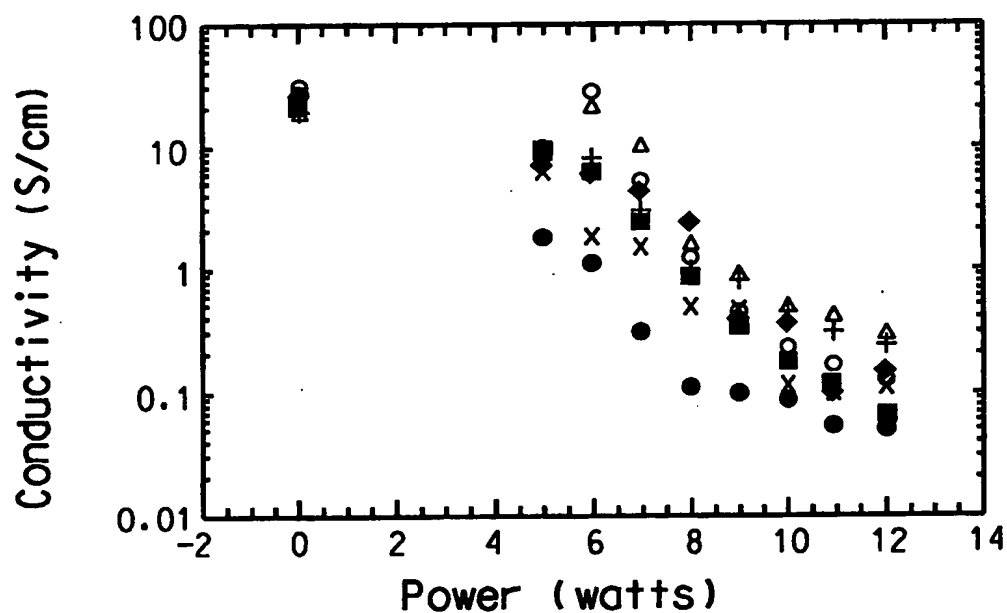
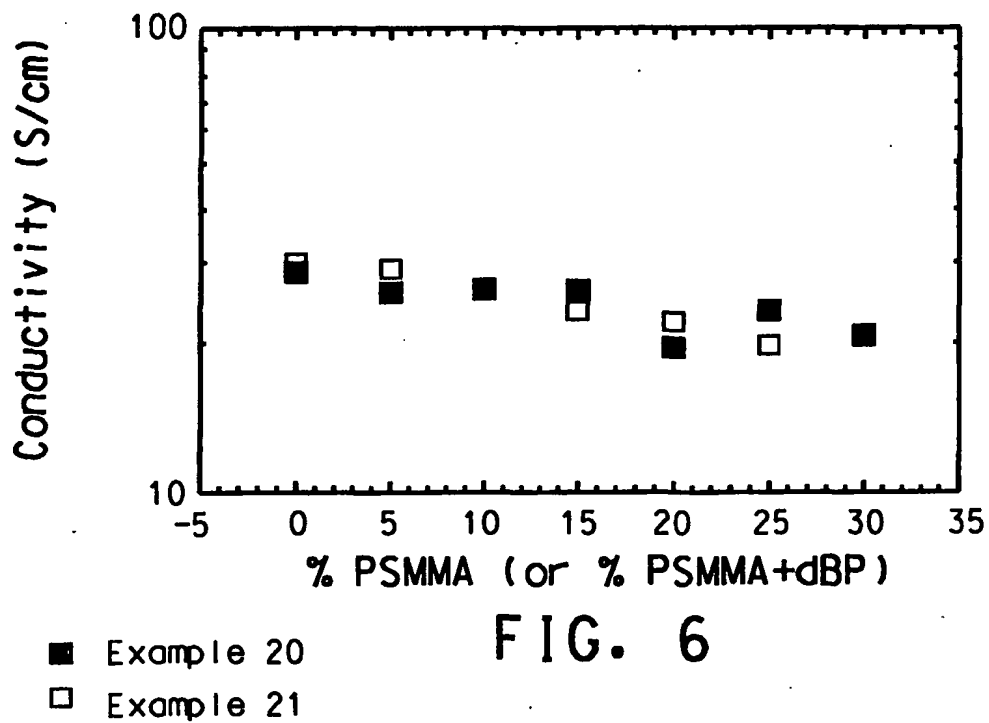
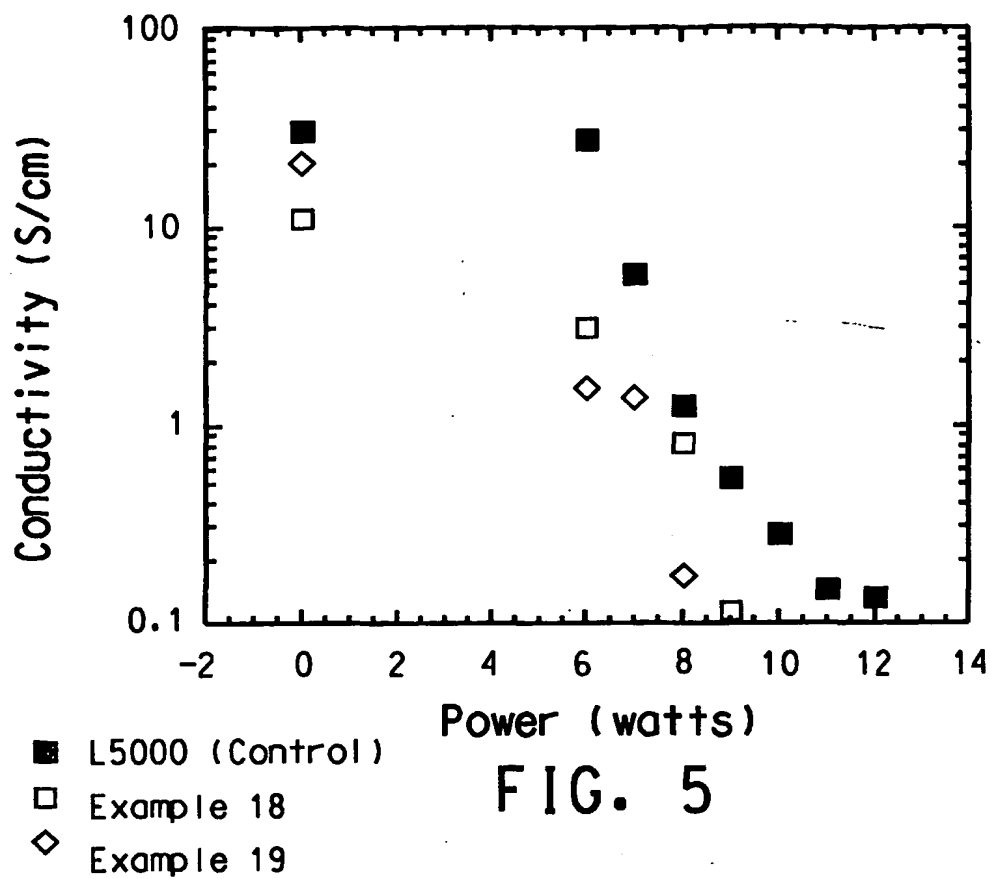


FIG. 4

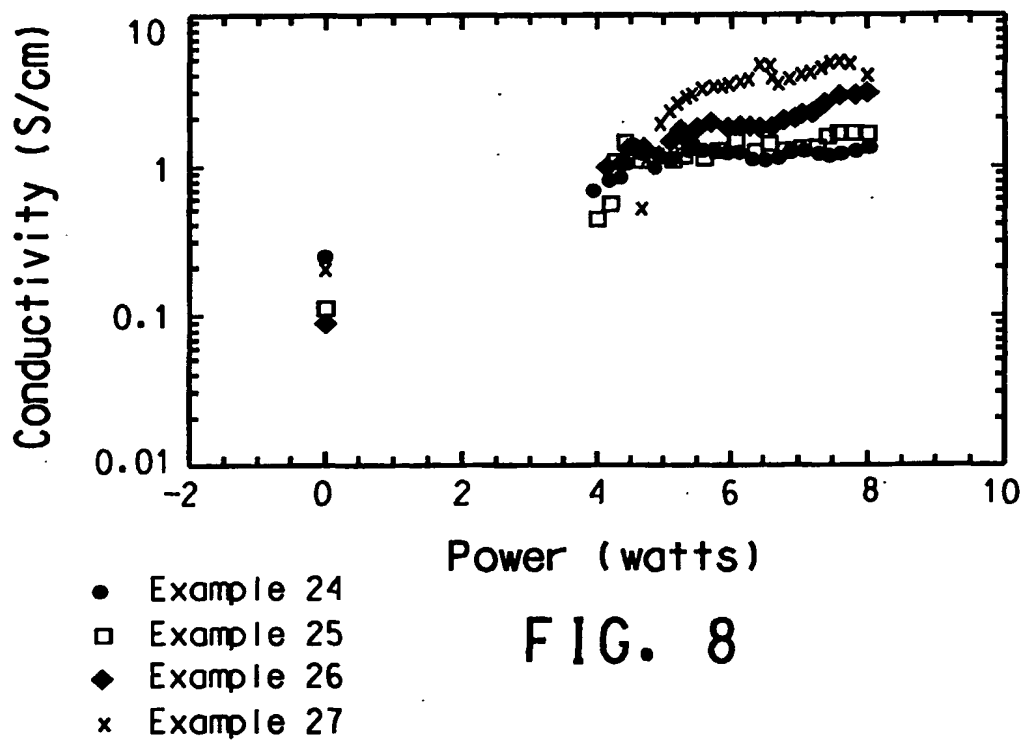
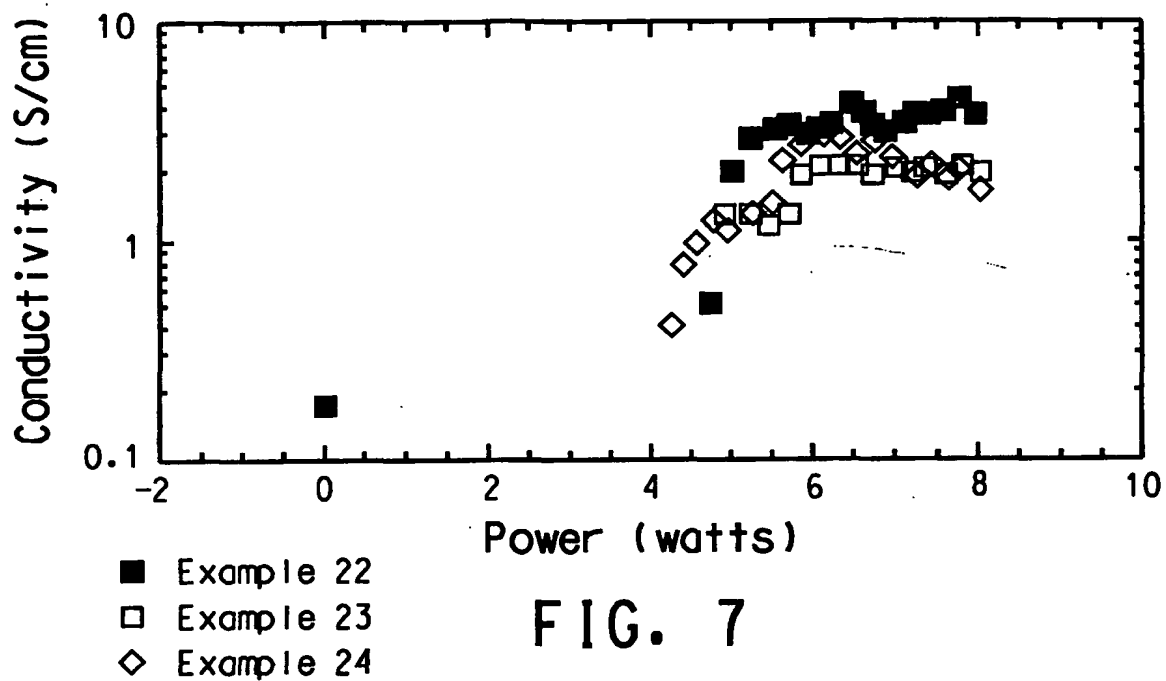
○ L5000 (Control)  
 + Example 12  
 × Example 13  
 △ Example 14

◆ Example 15  
 ■ Example 16  
 ● Example 17

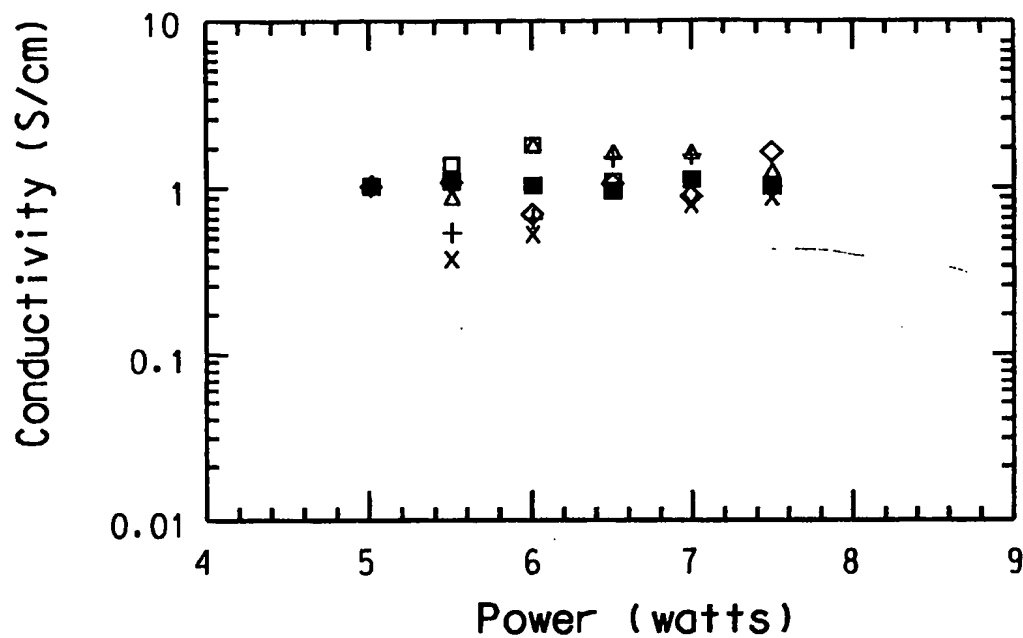
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- Example 28
- Example 29
- ◇ Example 30
- x Example 31
- + Example 32
- △ Example 33

FIG. 9

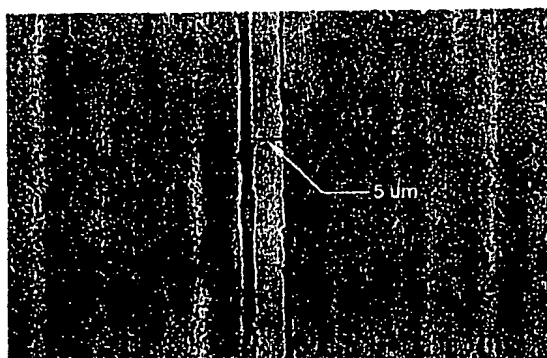


FIG. 10

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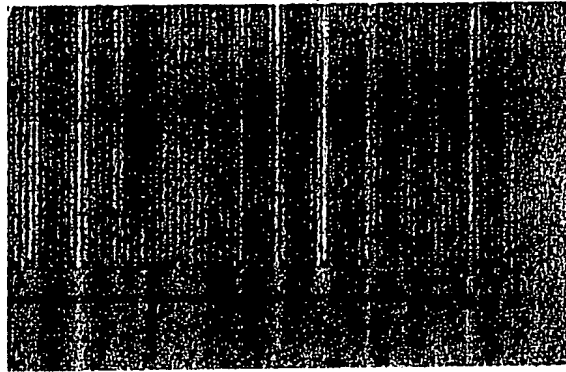


FIG. 11

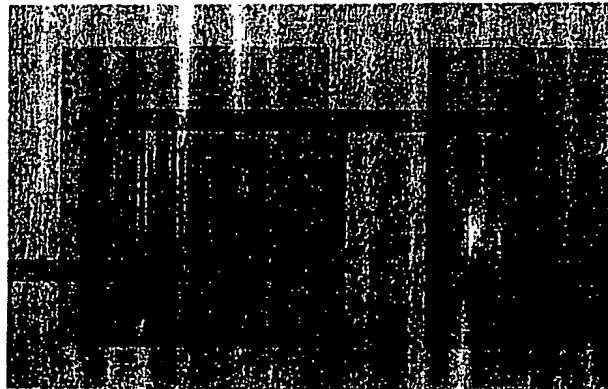


FIG. 12

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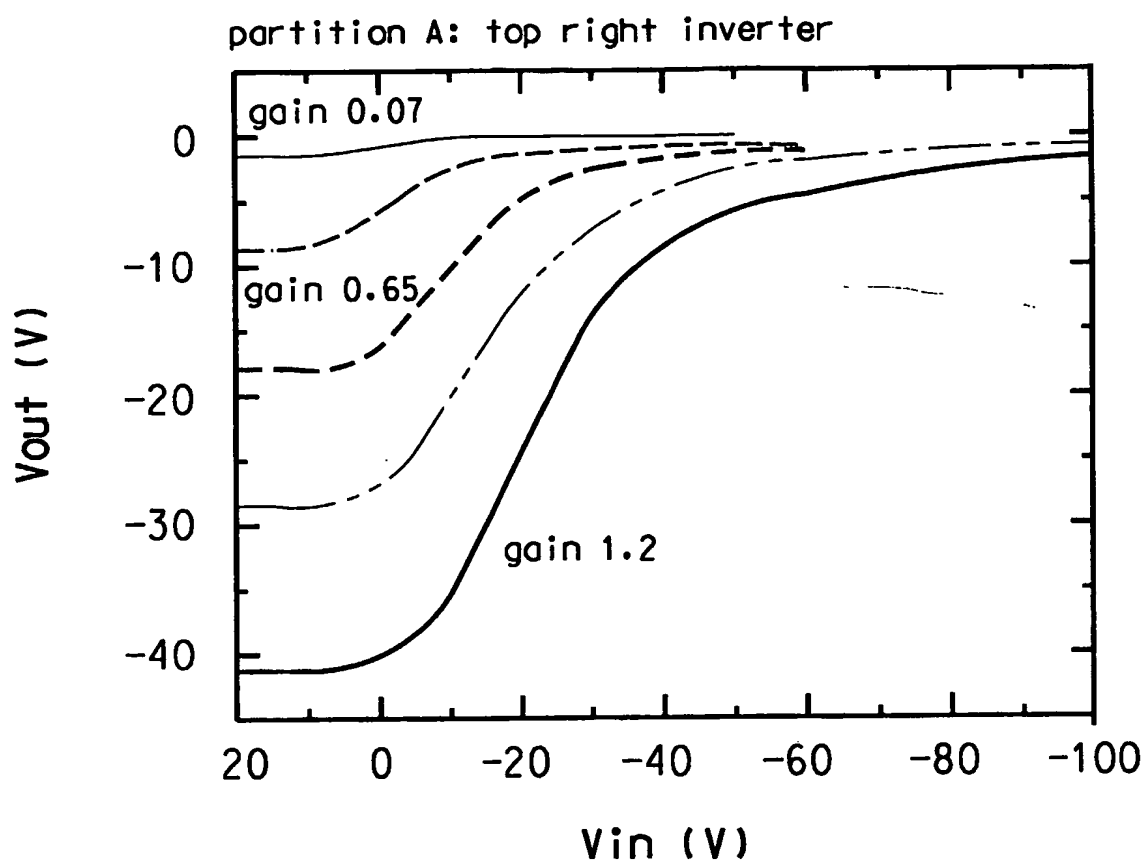


FIG. 13

—  $V_{dd} = -20V$   
- - - - -  $-40V$   
- - - - -  $-60V$   
- - - - -  $-80V$   
—  $-100V$

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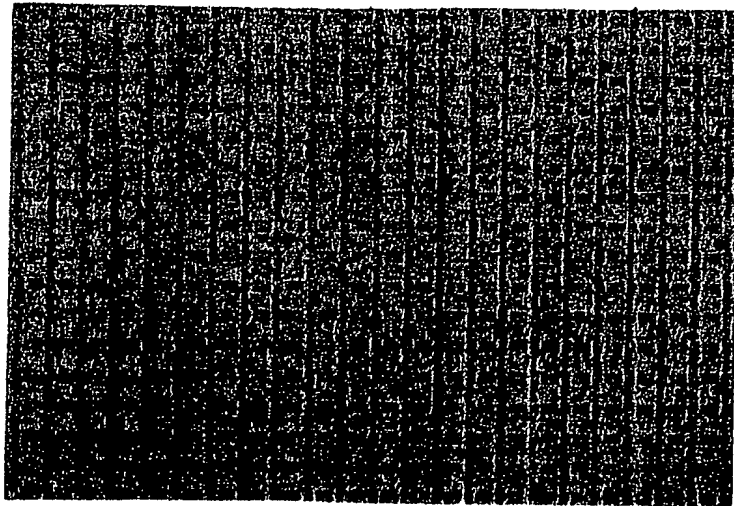


FIG. 14

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## INTERNATIONAL SEARCH REPORT

International Application No

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## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08K5/42 C08L79/02 C08L65/00 B41M1/30 H01B1/12

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98/05040 A (COMMISSARIAT A L'ENERGIE ATOMIQUE) 5 February 1998 (1998-02-05) page 6, line 1 - line 24 page 7, line 9 - line 13 page 8, line 3 - line 14; claims 1-13	1, 2, 10
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Y	WO 95/27289 A (FRANCE TELECOM) 12 October 1995 (1995-10-12) page 1, line 1 - line 21 page 5, line 23 - page 7, line 10; claims 1-23	1-15
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Int. Application No.

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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member(s)Publication  
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